Title (en)
ENERGY-SAVING METHOD FOR A LOCKING SYSTEM

Title (de)
ENERGIESPARVERFAHREN FÜR EIN SCHLIESSSYSTEM

Title (fr)
PROCÉDÉ D'ÉCONOMIE D'ÉNERGIE D'UN SYSTÈME DE FERMETURE

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Abstract (en)
The invention relates to the field of autonomous electronic equipment powered by autonomous sources with a limited reserve of power and can be used in various electronic devices with autonomous power supply and with a short operation cycle triggered by a signal as necessary, or with a long standby cycle, when a minimum consumption of battery power is required. The technical result is the maximum saving of power in an autonomous power source. A energy-saving method for the locking system by implementing the following steps: Energy-saving circuit for the battery of the key in the electronic control board of the electronic key at the end of the operation cycle, as triggered by a signal from the microcontroller from the input two OR a signal that switches the controlled power source into the energy-saving mode, wherein the power supply from the power source to the control circuit, including the microcontroller, is completely turned off; if it is necessary to turn on the controlled power source of the key, the board of the electronic is powered by the battery of the key and sends a special signal to the electronic key through the power supply contact and through a specialized circuit designed to identify the powering on attribute from an external event, and a special energy-saving circuit activates an electric signal fed to the input one OR for switching the power source to the operation mode for the time that will be sufficient to start the microcontroller, wherein the specialized circuit designed to identify the powering on attribute in an external event does not use the power of the battery; after the first initialization, the microcontroller sends an output signal to the input two OR sends a signal to keep the power source turned on for the duration of the operation cycle, after the end of which the microcontroller receives the signal from the input two OR and switches the power source to energy-saving mode.

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